



OLY MESH GLASS 250 is a preformed structural fiberglass mesh AR (alkaline resistant, with at least 17% zirconium) for structural reinforcement and consolidation of masonry, floors, screeds, vaults, concrete and flooring. Suitable for anti-shelling of floors and for anti-overturning of primary and secondary partitions.

OLY MESH GLASS 250 allow to easily remedy precarious situations affecting both the vertical structures and the horizontal elements. Unlike interventions realized with traditional materials, they reduce invasiveness, maintaining practically unchanged the size and the weight of the items. The composite materials have undoubted advantages: high tensile strength, low specific weight, high resistance to environmental stress. They also have the advantage of being applicable in a rapid and non-invasive way. **OLY MESH GLASS 250** mesh can be used for the reinforcement of masonry and sometimes used with appropriate mortars.

Geometrical properties

OLY MESH GLASS 280	Value	Tolerance
Fabric weight	280 g/m ²	+/- 5%
Zirconium	>16%	
Thickness	1,10 mm	+/- 5%
Mesh size (internal)	25x25 mm	+/- 5%
Standard color	Red	
Break elongation	2,47 %	
Equivalent warp thickness	0,0522 mm	+/- 5%
Equivalent weft thickness	0,0522 mm	+/- 5%
N° warp threads	38	
N° weft threads	38	
Roll height	100 cm	
Roll lenght	50 mt	

OLY MESH GLASS 280	Value	Tolerance
Glass density	2,68 g/cm ³	+/- 5%
Elastic module of glass	72.000 N/mm ²	+/- 5%
Single wire tensile strength	1,57 KN	+/- 5%
Tensile strength (warp)	60,5 KN/m	+/- 5%
Tensile strength (weft)	59,5 KN/m	+/- 5%
Resistant section (warp)	30,015 mm ² /m	+/- 5%
Resistant section (weft)	30,015 mm ² /m	+/- 5%
Tensile strenght (warp)	1.118,02 N/mm ²	+/- 5%
Tensile strenght (weft)	1.266,02 N/mm ²	+/- 5%

Instructions for correct installation

Apply the reinforcing mesh on clean and possibly restored surfaces. Apply with appropriate structural mortars such as OLY WALL STRUKTURA or similar. Apply connectors per square meter such as OLY CHAIN in stainless steel.

Storage, use and safety precautions

Store in a dry place;

Use appropriate precautions in handling, transport and storage in order to avoid damage; During the preparation and installation of reinforcement systems wear personal protective equipment (head, gloves, goggles and dust masks);

The product before the application must be cleaned from dust, oils, fats etc;

Package

Mesh is available in rolls of 50 mt and height 100 cm



Warnings

The technical specifications and application methods recommended herein are based on our current knowledge and experience and do not represent any form of guarantee of the final results obtainable with the product. It is the customer's responsibility to check that this data sheet is still effective and has not been replaced with a more recent version, and that the product is suitable for the intended use.

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For information, technical support and other systems for structural strengthening, visit

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